Louisiana Office of Public Health Laboratories	
Test Name	Zika Real Time rt-PCR
PHL Location	Office of Public Health Laboratory Baton Rouge
CPT Code	87798 x 2
Synonyms	Zika
Brief Description of Test	**Prior authorization required. Contact Infectious Disease Epidemiology at 800-256-2748.** The Zika Real-Time RT-PCR assay is used on the ABI 7500 Fast Dx Real-Time PCR Instrument. There are two primer/probe sets available for the detection of Zika virus RNA. Set Zika1087/1108FAM/1163c detects all known genotypes of Zika virus. Set Zika4481/4507cFAM/4552c is specific for Zika virus Asian genotype currently circulating in the Western Hemisphere.
Possible Results	Negative for Zika Positive for Zika Equivocal for Zika Inconclusive
Reference Range	Negative
Specimen Type	Serum
Specimen Container(s):	Red top tubes, Marble top tubes, polypropylene vials
Minimum volume accepted:	300 µL
Collection Instructions	Specimens should only be collected by personnel that have been properly trained. Care should be taken during specimen collection and handling to avoid generation of aerosols. Blood should be collected in a plastic tube, such as a vacutainer, which does not contain an anticoagulant. The collection tube may or may not contain a serum separator. If collected in a tube without serum separator, serum must be aliquoted into screw cap tubes before shipment to laboratory. Depending on the type of collection tube, the amount of time it will take for the blood to clot could take up to 60 minutes. Separation of serum from cells should take place within 2 hours of collection to prevent erroneous test results according to NCCLS guidelines. Follow the package insert for the collection tube you use. Label specimen with Patient Name and a 2nd unique identifier such as a chart number or medical record number. DOB is not considered unique.

	Complete a Lab Form 96 to accompany the serum sample. Lab submission form must be thoroughly completed with patient's first and last name, 2nd patient identifier, gender, date of birth, date of collection, time of collection, onset date, test requested, and submitter's name, address, and contact number. Two unique identifiers **MUST** be recorded on the tube **AND** the Lab 96 form. A missing identifier on the tube will be an automatic rejection. If the identifiers are missing from the Lab 96 form, the submitter must be contacted and a new form with this information must be faxed back to the lab before testing will take place. Transport specimen to laboratory as soon as possible after collection. Keep submission forms insulated from specimens.
Storage and Transport Instructions	Once there is a clinical diagnosis of suspected Zika, take a venous, whole blood sample. Follow serum specimen collection devices manufacturer instructions for proper collection, separation and storage methods. We recommend that separated serum samples are frozen at -20°C and sent or shipped in dry ice to the testing laboratories. If dry ice is not available, we recommend that separated serum is maintained on ice or in a refrigerator for no longer than 2 hours before it is either frozen at -20° C or tested. • Transport/ship human serum samples in dry ice. Document the date and time sample was frozen.
Causes for Rejection	Unspun samples, tubes that contain less than 90% of the total drawing capacity (QNS), incorrect specimen type, or expired collection tubes must be rejected. Improper storage and improper transport temperature requirements are also reasons for rejection.
Limitations of the Procedure	This assay is very dependent on the timing of specimen collection. Specimens collected within 7 days of illness onset will yield the best results.
Interfering Substances	N/A
References	Package Insert: CDC Zika Real Time RT-PCR Assay
Additional Information	This assay is not FDA approved. Limited assay performance characteristics have been determined by the Louisiana Office of Public Health Central Lab.
Release Date	03/15/2016